

Form PTO-1449

INFORMATION DISCLOSURE CITATION

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Attorney Docket No.

292501-1010

Serial No.

10/751,370

Applicant

Hui Yan

Filing Date

01/05/2004

Group

3611

U.S. PATENT DOCUMENTS

Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS

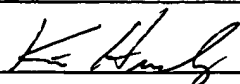
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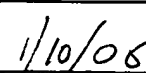
<input checked="" type="checkbox"/>	A	Chong-Min Kim, Youngsong Cho, Byunghoon Lee, Jeongyoun Seo, Sang-Min Park, Chung-In Won, Donguk Kim and Deok-Soo Kim, "Interface surfaces for protein-protein interaction: Voronoi diagram based approach," 2005 CAD/CAM.					
<input checked="" type="checkbox"/>	B	Donguk Kim, Youngsong Cho, Deok-Soo Kim, "Algorithms for constructing Euclidean Voronoi diagrams for spheres in 3D: an edge tracing algorithm and a region expansion algorithm," 2005 CAD/CAM.					
<input checked="" type="checkbox"/>	C	Deok-Soo Kim, Cheol-Hyung Cho, Youngsong Cho, Donguk Kim, "Pocket recognition on a protein using Euclidean Voronoi diagram of atoms," pages 1-23.					
<input checked="" type="checkbox"/>	D	Deok-Soo Kim, Youngsong Cho, Donguk Kim, Sangsoo Kim, Jonghwa Bhak, Sung-Hoon Lee, "Euclidean Voronoi diagrams of 3D spheres and applications to protein structure analysis," Running Title: Euclidean Voronoi Diagrams of Spheres, pages 1-22.					
<input checked="" type="checkbox"/>	E	V.A. Luchnikov, N.N. Medvedev, L. Oger and J. P. Troadec, "Voronoi-Delaunay analysis of voids in systems of nonspherical particles," Physical Review E, Volume 59, Number 6, June 1999, pages 7205-7212.					
<input checked="" type="checkbox"/>	F	Deok-Soo Kim, Youngsong Cho and Donguk Kim, "Euclidean Voronoi diagram of 3D balls and its computation via tracing edges," 31 January 2005, pages 1-28.					
<input checked="" type="checkbox"/>	G	Donguk Kim, Deok-Soo Kim, "Euclidean Voronoi diagrams for spheres in 3D by expanding regions," pages 1-10.					
<input checked="" type="checkbox"/>	H	Donguk Kim, Youngsong Cho, and Deok-Soo Kim, "Region expansion by flipping edges for Euclidean Voronoi diagrams of 3D spheres based on a radial data structure"					
<input checked="" type="checkbox"/>	I	Deok-Soo Kim, Youngsong Cho, Donguk Kim, "Edge-tracing algorithm for Euclidean Voronoi diagram of 3D spheres," 16th Canadian Conference on Computational Geometry, 2004, Montreal, Quebec, August 9-11, 2004, pages 176-179.					
<input checked="" type="checkbox"/>	J	Subject: patent related papers and issues.					

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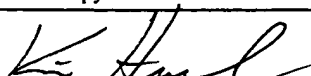
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OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, etc.)</i>	
K	Deok-Soo Kim, Youngsong Cho, Donguk Kim, "Euclidean Voronoi diagram of 3D spheres by tracing edges," Hanyang University.
L	Cheol-Hyung Cho, Youngsong Cho, Donguk Kim, Deok-Soo Kim, "Pockets Recognition on Proteins: Euclidean Voronoi Diagram and Convex Hull Based Approach," 2005 CAD/CAM.
M	Deok-Soo Kim, Youngsong Cho, Donguk Kim, "Edge-tracing algorithm for Euclidean Voronoi diagram of 3D spheres," 16 th Canadian Conference on Computational Geometry, 2004, Montreal, Quebec, August 9-11, 2004, pages 176-179.
N	Deok-Soo Kim, Donguk Kim, Youngsong Cho, Joonghyun Ryu, Cheol-Hyung Cho, Joon Young Park, and Hyun Chan Lee, "Visualization and analysis of protein structures using Euclidean Voronoi diagram of atoms".
O	A. Goede, R. Preissner, C. Frömmel, "Voronoi Cell: New Method for Allocation of Space among Atoms: Elimination of Avoidable Errors in Calculation of Atomic Volume and Density," CCC 0192-8651/97/091113-11, Vol. 18, No. 9, Journal of Computational Chemistry, Pages 1113-1123.
P	Deok-Soo Kim, Donguk Kim, Kokichi Sugihara, "Voronoi diagram of a circle set from Voronoi diagram of a point set: I. Topology," Computer Aided Geometric Design 18 (2001) 541-562, www.elsevier.com/locate/comaid .
Q	Deok-Soo Kim, Donguk Kim, Kokichi Sugihara, "Voronoi diagram of a circle set from Voronoi diagram of a point set: II. Geometry," Computer Aided Geometric Design 18 (2001) 563-585, www.elsevier.com/locate/comaid .
R	Hans-Martin Will, "Computation of Additively Weighted Voronoi Cells for Applications in Molecular Biology," Diss. ETH No. 13188, 1999, pages 1-161.
S	Joonghyun Ryu, Rhohun Park, Byunghoon Lee, Youngsong Cho, Donguk Kim, Deok-Soo Kim, "Computing molecular surfaces of a protein: an approach based on a Voronoi diagram and a ball blending," Molecular Surface, 2005 CAD/CAM.

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	T	Jonghyun Ryu, Donguk Kim, Youngsong Cho, Rhohun Park and Deok-Soo Kim, "Computation Of Molecular Surface Using Euclidean Voronoi Diagram," Computer-Aided Design & Applications, Vol. 2, Nos. 1-4, 2005, pp xxx-yyy, pages 1-10.						
	U	Deok-Soo Kim, Cheol-Hyung Cho, Youngsong Cho, Chung In Won, and Donguk Kim, "Pocket recognition on a protein using Euclidean Voronoi diagram of atoms".						
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	W	Deok-Soo Kim, Yong-Chae Chung, Sangwon Seo, Sang-Pil Kim and Chong Min Kim, "Crystal structure extraction in materials using Euclidean Voronoi diagram and angular distributions among atoms," Journal of Ceramic Processing Research, Vol. 6, No. 1, pp. 0-00 (2004), pages 1-5.						
	X	Deok-Soo Kim, Youngsong Cho, Donguk Kim, Sangsoo Kim, Jonghwa Bhak, Sung-Hoon Lee, "Euclidean Voronoi diagram of 3D spheres and applications to protein structure analysis".						
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BB	Alain Soyer, Jacques Chomilier, Jean-Paul Mornon, Rémi Jullien, and Jean-Francois Sadoc, "Voronoi Tessellation Reveals the Condensed Matter Character of Folded Proteins," Volume 85, Number 16, Physical Review Letters, 16 October 2000, pages 3532-3535.
CC	Anne Poupon, "Voronoi and Voronoi-related tessellations in studies of protein structure and interaction," www.sciencedirect.com , Current Opinion in Structural Biology 2004, 14:233-241.
DD	Klaus P. Peters, Jana Fauck and Cornelius Frömmel, "The Automatic Search for Ligand Binding Sites in Proteins of Known Three-dimensional Structure Using only Geometric Criteria," J. Mol. Biol. (1996) 256, 201-213.
EE	F. Aurenhammer, "Power Diagrams: Properties, Algorithms And Applications," Siam J. Comput., Vol. 16, No. 1, February 1987, pages 78-96.
FF	Yih-En Andrew Ban, Herbert Edelsbrunner and Johannes Rudolph, "Interface Surfaces for Protein-Protein Complexes," pages 1-11.
GG	Jean-Daniel Boissonnat, Menelaos I. Karavelas, "On the combinatorial complexity of Euclidean Voronoi cells and convex hulls of d -dimensional spheres," pages 305-312.
HH	Herbert Edelsbrunner, Michael Facello and Jie Liang, "On the Definition and the Construction of Pockets in Macromolecules," April 17, 1998, pages 1-19.
II	Marina Gavrilova, "Proximity and Applications in General Metrics," The University of Calgary, May, 1998, pages 1-250.

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